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## UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. MTB30US

First Inventor Kia Silverbrook

THERMAL INK JET PRINTHEAD WITH BUBBLE

Title NUCLEATION OFFSET FROM INK SUPPLY

Express Mail Label No. (Only for new nonprovisional applications under 37 CFR 1.53(b)) Assistant Commissioner for Patents **APPLICATION ELEMENTS** ADDRESS TO: **Box Patent Application** Washington, DC 20231 See MPEP chapter 600 concerning utility patent application contents. Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table or (Submit an original and a duplicate for Computer Program (Appendix) Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) ecification [Total Pages 59] ]
ferred errangement set forth below) Specification Computer Readable Form (CRF) Descriptive title of the invention b. Specification Sequence Listing on: Cross Reference to Related Applications Statement Regarding Fed sponsored R & D i. ☐ CD-ROM or CD-R (2 copies); or - Reference to sequence listing, a table, ii. paper or a computer program listing appendix - Background of the Invention Statements verifying identity of above copies - Brief Summary of the Invention **ACCOMPANYING APPLICATION PARTS**  Brief Description of the Drawings (f filed) - Detailed Description 9. X Assignment Papers (cover sheet & document(s)) - Claim(s) 37 CFR 3.73(b) Statement Power of - Abstract of the Disclosure 10. (when there is an assignee) Attorney English Translation Document (if applicable) Drawing(s) (35 U.S.C. 113) [ Total Sheets 66 ] Copies of IDS Information Disclosure 5. Oath or Declaration [ Total Pages 2 ] Citations Statement (IDS)/PTO-1449 Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 17 completed) **Preliminary Amendment** Return Receipt Postcard (MPEP 503) (Should be specifically itemized) **DELETION OF INVENTOR(S)** Certified Copy of Priority Document(s) (if foreign priority is claimed) Signed statement attached deleting inventor(s) 15. named in the prior application, see 37 CFR 16. 1.63(d)(2) and 1.33(b). Application Data Sheet. See 37 CFR 1.76 17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: 10 / 302,274 Continuation Divisional Continuation-in-part (CIP) of prior application No.: 2853 Group / Art Unit: \_ For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 18. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label Correspondence address below KIA SILVERBROOK Name 393 Darling Street, Address Balmain City NSW State Zip Code 2041 Country Australia Telephone +61-2-9818-6633 Fax +61-2-9555-7762 KIA SILVERBROOK Name (Print/Type) Registration No. (Attorney/Agent) Date January 28, 2004

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2203 145

SUBTOTAL (2)

2204

2205

Multiple dependent claim, if not paid

\*\* Reissue claims in excess of 20

(\$) 612

\*\* Reissue independent claims over original patent

and over original patent

PTO/SB/17 (10-03)

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL		Complete if Known					
FEE IRANSIMITIAL		Application Number		er			
for FY 2004 Effective 10/01/2003. Patent fees are subject to annual revision.		Filing	Filing Date				
		First Named Inventor		itor	Kia Silverbrook		
		Examiner Name					
Applicant claims small entity status. See 37 CFR 1.27			Art Unit				
TOTAL AMOUNT OF PAYMENT (\$) 1,422.00			Attorney Docket No.		lo.	MTB30US	
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)					
Check Credit card Money Other None		3. ADDITIONAL FEES					
Deposit Account:		ge Entity Small Entity					
Deposit	Fee Cod	Fee e (\$)		Fee (\$)		Fee Description	Fee Paid
Account Number	1051	130	2051	65	Surcha	arge - late filing fee or oath	
Deposit Account	1052	2 50	2052		Surcha	arge - late provisional filing fee or	
Name The Director is authorized to: (check all that apply)	1053	3 130	1053			nglish specification	
Charge fee(s) indicated below Credit any overpayments	1812	2,520	1812 2	2,520	For filir	ng a request for ex parte reexamination	
Charge any additional fee(s) or any underpayment of fee(s)	1804	920*	1804			sting publication of SIR prior to ner action	
Charge fee(s) indicated below, except for the filing fee	1805	5 1,840*	1805			esting publication of SIR after	
to the above-identified deposit account.		·			Exami	ner action .	
FEE CALCULATION	1251		2251			sion for reply within first month	
1. BASIC FILING FEE	1252 1253		2252 2253			sion for reply within second month	
Large Entity Small Entity Fee Fee Fee Fee Paid Fee Fee Fee Paid		1.480	2253			sion for reply within third month sion for reply within fourth month	
Code (\$)		2.010	2255		_	sion for reply within fifth month	
1001 770 2001 385 Utility filing fee 770.00	1401	,	2401			of Appeal	
1002 3 0 2002 1 Design filing fee 1003 5 0 2003 265 Plant filing fee	1402		2402			a brief in support of an appeal	
1004 7 0 2004 3 5 Reissue filing fee	1403		2403			est for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510	1451		-	n to institute a public use proceeding	
SUBTOTAL (1) (\$) 770.00	1452	110	2452			n to revive - unavoidable	
	1453	1,330	2453	665	Petitio	on to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,330	2501	665	Utility	issue fee (or reissue)	
Extra Claims below Fee Paid  Total Claims 54 -20** = 34 x 18 = 612	1502		2502	240	Desig	n issue fee	
Independent 3 3**-	1503		2503			issue fee	
Claims U - 3 = 1	1460		1460			ons to the Commissioner	
Large Entity   Small Entity	1807		1807			ssing fee under 37 CFR 1.17(q)	
Fee Fee Fee Fee Description	1806		1806			ssion of Information Disclosure Stmt	
Code (\$)   Code (\$) 1202 18   2202 9 Claims in excess of 20	8021	40	8021	40	proper	ding each patent assignment per ty (times number of properties)	40.00
1201 8 2201 4 Independent claims in excess of 3	1809	770	2809	385	Filing	a submission after final rejection	

**or number previ	iously paid, if greater; For Reissues, see above	*Reduced by Basic Filing Fee Paid	SUBTOTA	L (3) (\$) 40.00	
SUBMITTED BY			(Complete	(if applicable))	
Name (Print/Type)	Kia Silverbrook	Registration No. (Attorney/Agent)	Telephone 612 98186633		
Signature			Date	January 28, 2004	

1810

1801

1802

770

770

900

Other fee (specify)

2810

2801

1802

385 For each additional invention to be

examined (37 CFR 1.129(b))

900 Request for expedited examination

of a design application

385 Request for Continued Examination (RCE)

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND T: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



## SILVERBROOK RESEARCH Pty Ltd

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February 6, 2004

Commissioner of Patents and Trademarks Washington DC 20231 USA

Dear Sir

22 New United States Patent Applications Assignee: Silverbrook Research Pty Ltd

This letter accompanies 22 new patent applications.

One bank draft for the total amount of US\$31,094 is enclosed to cover filing and assignment fees for each of the 22 applications. Also attached is a list giving details of each application.

We look forward to receiving filing receipts in due course.

If you need to contact us in relation to the applications, please email my assistant, Leonie News at leonie.news@silverbrookresearch.com or by fax to +61 2 9555 7762.

Yours faithfully

Kia Silverbrook

Silverbrook Research Pty Ltd

kia.Silverbrook@silverbrookresearch.com

	DOCKET		INVENTORS	AMOUNT
		Thermal Ink J t Printhead with		US\$
1	MTB15	Unintentional Boiling Prevention	Kia Silv rbrook	1422
2	MTB16	Thermal Ink Jet Printhead with Small . Nozzle Dimensions	Kia Silverbrook	1422
3	MTB18	Thermal Ink Jet Printhead with Bubble Collapse Point Void	Kia Silverbrook	1422
4	MTB19	Thermal Ink Jet Printhead with Reduced Pressure Transients	Kia Silverbrook	1422
5	MTB20	Thermal Ink Jet Printhead with Laterally Enclosed Heater Element	Kia Silverbrook	1422
6	MTB21	Laminated Structure for the Alighment and Funneling of Ink	Kia Silverbrook	1422
7	MTB22	Thermal Ink Jet Printhead with Drive Circuitry on Opposing Sides of Chamber	Kla Silverbrook	1422
8	MTB23	Heater Element Spaced from Chamber Walls	Kia Silverbrook	1422
9	MTB24	Thermal Ink Jet Printhed with Drive Circuitry Offset From Heater Elements	Kia Silverbrook	1422
10	MTB25	Thermal Ink Jet Printhead with Heater Element Having Non-Uniform Resistance	Kia Silverbrook	1422
11	MTB26	Thermal Ink Jet Printhead with Heater Element that Forms Symmetrical Bubbles	Kia Silverbrook	1422
12	MTB27	Thermal Ink Jet Printhead with Wide Heater Element	Kia Silverbrook	1422
13	MTB28	Element Mounted to Opposing Sides of the Chamber	Kia Silverbrook	1422
14	MTB29	Thermal Ink Jet Printhead with Heater Element Symmetrical About Nozzle Axis	Kia Silverbrook	1422
15	MTB30	Thermal Ink Jet Printhead with Bubble Nucleation Offset from Ink Supply	Kia Silverbrook	1422
16		Thermal Ink Jet Printhead with Bubble Nucleation Laterally Offset from Nozzle	Kia Silverbrook	1422
17	MTB32	Thermal Ink Jet Printhead with Low Resistance Connection to Heater	Kia Silverbrook	1422
18	MTB34	Thermal Ink Jet printhead With Non- Buckling Heater Element	Kia Silverbrook	1422
19		Thermal Ink Jet PRInthead with Rotatable Heater Element	Kia Silverbrook	1422
20	MTB36	Thermal Ink Jet Printhead with Heater Element Current Flow Around Nozzle Axis	Kia Silverbrook	1422
21		Thermal Ink Jet Printhead with Bubble Formation Surrounding Heater Element	Kia Silverbrook, AJ North & GJ McAvoy	1,502
22	мтвзз	Inkjet Printhead with CMOS Drive Circuitry Close to Ink Supply Passage	Kia Silverbrook	1,152
			TOTAL	31,094